

**Zeitschrift:** Mitteilungen der Naturforschenden Gesellschaft in Bern

**Herausgeber:** Naturforschende Gesellschaft in Bern

**Band:** 25 (1968)

**Artikel:** Remarks on colour patterns and related features of the Molluscan shells

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**Bibliographie**

**DOI:** <https://doi.org/10.5169/seals-319553>

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## Bibliography

- BÖGGILD, O. B. (1930): Shell structure of the Mollusks. *Mém. Acad. Roy. Sci. Lettres Danemark, Copenhague. Ser. 9, T. 11, n° 2.*
- COMFORT, A (1964): Molluscan Shell Patterns. — *Animals*, Vol. 5, n° 5.
- COX, L. R. (1955): Gastropod descriptive terminology. *Proc. Malac. Soc. London*, Vol. 31.
- DAVIES, M. (1935): *Tertiary Faunas*, Vol. I.
- NEUMANN, D. (1959): Variabilität der Farbmuster aus der Schale von *Theodoxus fluviatilis* L.—*Z. Morph. Okol. Tiere*, 48.
- OBERLING, J. J. (1960—1962): Notes morphologiques sur des coquillages. *Ann. Mus. Hist. Nat. Berne*.
- PORTMANN, A.: *Animal Forms and Patterns*. Publ. Faber & Faber.
- ROBERTS, M. (1851): Popular history of the Mollusca.
- WRIGLEY, A. (1947): The colour Patterns and Sculpture of Molluscan Shells. *Proc. Malac. Soc. London*, Vol. 27.

## Explanation of the plates

(All figures diagrammatic, variously magnified; view of shell surface, with aperture to the left unless otherwise indicated; arrows, when present indicate distal direction. Asterisks stand for patterns not seen on actual specimens. Alt. c. bands = alternating colour bands.)

### Plate I

- Fig. 1 End whorls of gasteropod, showing pattern elements resulting from various types of activities of secretion sources.
- Fig. 2 b Oblique band: secretion continuous. When secretion of same is intermittent it appears as in fig. 2 a, not fig. 3.
- Fig. 4 Cross section through superficial portion of shell, showing the in-depth secretion of spots; in such species as *Natica millepunctata* Lam.
- Fig. 5 Various types of junctions of lines. Vertical parallel lines = growth lines
- Figs. 6, 9 Valves of two varieties of a *Lioconcha*, prob. *L. castrensis* Lam., showing diverging patterns.
- Fig. 7 Zigzags, which include both diverging and converging portions.
- Fig. 8 *Marginella lineata* Mühl., showing «inflowing» pattern.
- Fig. 10 Irregular zigzags in *Strombus vittatus* L. Zigzags are AB, CD, EF. Dashed lines = connecting lines.
- Fig. 11 Rhombic network produced by two sets of lines of opposite obliquity.
- Fig. 12 Zigzags of *Strombus vittatus* L., showing directional instability.
- Fig. 13 Two connected zigzags of *Strombus vittatus*. Dashed lines = connecting lines.